Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/08/2016 11:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124876	-1	1.73	124749	1.76
Blue	F	SSC	125000	125754	0	3.56	126110	3.41
Blue	E	FITC	22946	22531	-2	2.38	1004	9.34
Blue	D	PE	28770	28502	-1	2.02	1024	8.97
Blue	B	PerCP-Cy5-5	51099	50779	-1	3.39	1459	15.67
Blue	A	PE-Cy7	42312	41970	-1	4.86	648	32.24
Red	C	APC	52169	51491	-2	2.83	2964	9.12
Red	A	APC-Cy7	56705	56084	-2	2.86	1159	10.85
Violet	B	V450	14708	14407	-3	4.38	690	8.93
Violet	A	V500	58608	57891	-2	4.22	2570	6.60

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19947	4.45	592	-6	N/A	N/A	Pass
Blue	F	SSC	62456	2.08	523	5	N/A	N/A	Pass
Blue	E	FITC	112	34.88	529	-2	0.0250	69	Pass
Blue	D	PE	222	25.44	525	-1	0.1805	163	Pass
Blue	B	PerCP-Cy5-5	230	40.67	620	-2	0.0119	71	Pass
Blue	A	PE-Cy7	72	105.13	668	-3	0.0145	11	Pass
Red	C	APC	345	26.11	587	-3	0.0222	37	Pass
Red	A	APC-Cy7	126	37.74	571	-5	0.0060	1248	Pass
Violet	B	V450	84	39.74	464	5	0.0483	1703	Pass
Violet	A	V500	186	21.38	493	5	0.0150	175	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.11	-30.79	0.87
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	17.34	13.27 - 19.91	N/A	N/A	31.04	31.43	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 16339

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments